

PRO SERIES 4-PISTON REAR BRAKE KIT INSTRUCTIONS

KIT #
B1700WCE, B1700WCEM -
Oldsmobile housings

APPLICATIONS
'57-'64 Oldsmobile housings with
Brake offset = 2.832"

Evolution Rotors

- Dynamic Drive Mount (DDM) system secures the rotor and allows for rotor thermal expansion
- DDM system design is secured by an internal Spirolox, eliminating heavy bolts and hardware
- Unique Aero Slot design reduces rotating weight and promotes even heat dissipation

Before you begin installation:

-Strange Engineering brake kits are designed for DRAG RACING ONLY!

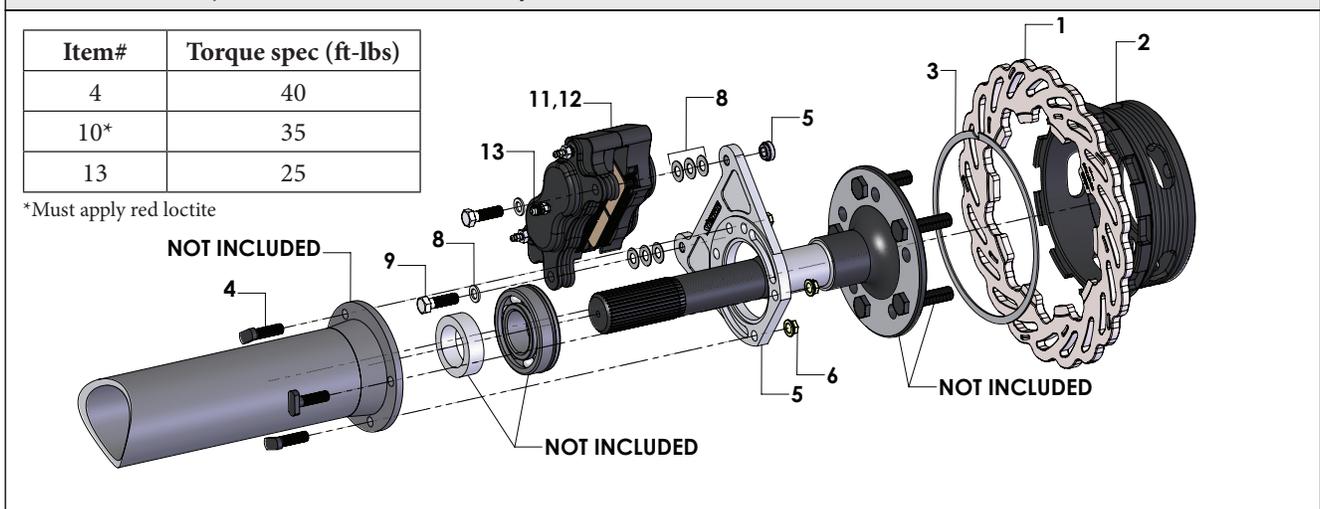
-Brake fittings do not come pre-installed, it will need a layer of Teflon sealer applied to the thread (Figure#1 for torque specs)
-Read these instructions thoroughly and save for future reference.

-If after reading these installation instructions, you have any questions or comments, please do not hesitate to call us.

KIT CONTENTS

ITEM#	PART#	QTY	DESCRIPTION
1	B2798AS	2	Evolution S Rotor
2	B2794B	2	2-Piece rotor adapter
3	B2794D	2	Spirolock
4	B1300H	8	3/8"-24 x 1-5/16" T-bolt
5	B1301E	4	3/8"-24 Press nut (Installed in B1700A)
6	B1700A	2	Early Olds caliper mount
7	F1282	8	3/8"-24 Jet nut
8	B1301H	16	0.025" Thick caliper shim
9	B1301J	4	1/16" Thick caliper washer
10	B5000Y	4	3/8"-24 x 1-1/8" Caliper bolt
11a	B5010	4	DTC-30 Semi metallic 4-piston brake pad (B1700WCE)
11b	B5020	4	DRM-35 metallic 4-piston brake pad (B1700WCEM)
11c	B5022	4	DRM-40 metallic 4-piston brake pad (B1700WCEM)
12	B1900	2	Billet Caliper
13	P2316	2	1/8" NPT x -3AN Fitting

FIGURE # 1: Exploded B1700WCE Assembly View



Installation instructions

Figure # 2



1. Raise and support rear of vehicle on a level surface using suitable equipment.
 2. Remove wheel, drum, axle, brake line, and backing plate assembly from rear end housing.
 3. Remove bearing, wedding ring, and bearing retaining plate from axle and discard all three.
 4. Check the axle for any signs of twisting or runout and repair or replace as needed. The maximum allowable runout checked between centers at the face of the flange, bearing surface, and near the splines is 0.005" total indicated runout (T.I.R.).
 5. Inspect the rotor (1,2,3) for fit on the axle flange. The rotor should slide freely over the axle flange and seat flush against the face of the axle flange. The rotor must center on the axle flange or axle studs. If the axle flange is too large, it must be machined to 6.240" diameter. Note: With factory or stock axles, ensure that wheel studs do not interfere with rotor seating.
 6. Visually inspect the housing end for straightness and repair as necessary.
 7. Inspect the housing end studs and replace as needed with new T-bolts (4).
 8. Slide the caliper mounting bracket (6) on the axle with the press nuts (4) facing the axle flange.
 9. Install a new bearing on the axle, pressing only on the inner race making sure the seal faces the axle flange. Before installing, apply a small amount of oil to the I.D. of the bearing to aid in installation. Make certain that the bearing fully seats against the step on the axle.
 10. Press the wedding ring onto the axle until it seats flush against the bearing.
 11. Install the axle into the housing until the bearing bottoms out in the housing end.
 12. Slide the caliper mounting bracket (6) over the housing end studs or T-bolts (4). The bracket has two hole patterns which gives the option of mounting the caliper in front of or behind the housing.
 13. Install the jet nuts (7) on the housing end studs or T-bolts (4) and torque to 35 ft-lbs.
 14. Slide the rotor (1,2,3) over the wheel studs and axle flange, ensuring that the rotor sits flat on the face of the axle flange. **Note:** Slotted rotors mount with the arrow pointing in the direction of normal rotation (See Figure #2).
- Please read B1900 instructions for complete caliper instructions.**
15. Attach caliper (12) using 3/8"-24 caliper bolts (10) with red loctite and 1/16" thick flat washers (9). Use 0.025" thick caliper shims (8) to center the caliper over the rotor, making sure pads contact the rotor evenly. The caliper bolt (10) should be fully engaged into the press nut. If the bolt is over engaged, use any remaining shims under the head of the bolt to prevent it from running into the rotor. Torque the caliper mounting bolts (10) to 35 ft-lbs.
 16. Connect the brake lines to the calipers. Calipers are tapped to 1/8"-27 NPT and supplied with -3AN fittings. Use proper adapters to connect them to existing lines or use new -3AN braided steel line (teflon lined). Bleed the calipers with DOT 4 or DOT 5.1 brake fluid **ONLY**.
 17. A proper break in procedure is required to avoid brake fade and uneven rotor deposits from the pads. It consists of 8-10 brake applications increasing in harshness while allowing the brakes to cool slightly in between; do not keep the brakes applied between stops. After the last stop the brakes should be allowed to cool completely.

Note: After the initial installation of this kit, ensure that there is adequate clearance between all braking and chassis components by moving the suspension all the way up and down throughout its travel. Additionally, make sure that the brake lines are not interfering with the wheel travel, or subject to binding or kinking. Operate the vehicle in a cautious manner until you determine that the brakes are functioning properly. Routinely check and re-torque all bolts.

WARNING - RACING IS HAZARDOUS · STRANGE BRAKES ARE FOR LEGAL DRAG RACING ONLY

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